

# FORTRESS PHANTOM<sup>®</sup>

## In-Foil Metal Detector



## Fortress PHANTOM Series In-Foil Metal Detector

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

### The PHANTOM Series Advantage

The unique Fortress Phantom In-Foil Metal Detector utilizes the latest Digital Signal Processing technology to detect and reject Ferrous metals despite the presence of foil packaging. With the highest processing power, Phantom systems are renowned for their superior speed, accuracy and ease-of-use.

### Applications

Bakery – Pies & Cakes, Oven ready meals, Any product with Aluminum Foil packaging

### Overview

The Phantom In-Foil detector offers a solution to the predicament of metal detection in foil packaging applications. The system overlooks aluminum foil and successfully detects ferrous metals such as iron and steel.

Systems are available in a wide variety of aperture sizes with full stainless steel construction. For height-ened stability and performance, the IP69K certified BSH Extra Rugged casing is utilized.

### Available Option



Integrated Vector Conveyor



### Key Technologies

**Core DSP**  
Unparalleled Precision

**UltraSense**  
Ultra Sensitive Detection

**AutoComp**  
Compensation for packaging

World Class Metal Detector Technology  
[www.fortresstechnology.com](http://www.fortresstechnology.com)

## ADVANCED PHANTOM FEATURES

<b>Core DSP</b>	Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results
<b>UltraSense</b>	Maintains high sensitivity levels to detect the smallest metal contaminants
<b>AutoComp</b>	Automatically compensates for the effect of pure aluminum packaging without the need for calibration
<b>FM Software</b>	Unique software filtering system for enhancing performance while minimizing false rejects
<b>Intuitive User Interface</b>	Provides dedicated shortcut keys
<b>Flash RAM</b>	Flash Memory technology prevents information loss

## IN-FOIL DETECTOR OPTIONS

<b>Remote Mounting</b>	Display Panel terminal can be mounted remotely
<b>Portable Display Terminal</b>	Display terminal can be utilized as a portable device
<b>Detector Orientation</b>	Horizontal / Vertical

## VECTOR CONVEYOR OPTIONS

<b>Vector Conveyor</b>	Heavy duty integrated conveyor system* * various sizes available in Stainless Steel construction
<b>Reject Mechanism</b>	Belt Stop, Air Blast, Kicker
<b>Castors</b>	Plated / Stainless Steel, provide portability
<b>Speed</b>	Variable
<b>Sensor</b>	Photo Eye (highly recommended)
<b>Guide Rails</b>	Direct the product movement with adjustable width / height
<b>Alarm</b>	Audible Alarm / Visual Alarm Beacon

## SPECIFICATIONS

<b>Construction</b>	304 Stainless Steel
<b>Aperture sizes</b>	14"x 5", 14"x 7", 18"x 8" (350x125, 350x175, 450x200 mm)* * custom sizes available
<b>Remote Control Range</b>	Up to 4000 ft / 1,200 m
<b>Electrical</b>	90-250v, 8 amp
<b>Rating</b>	IP69K / NEMA 4X
<b>Communications</b>	RS485, Optional: Ethernet / Wireless, via CONTACT Software



Make your Phantom metal detector a Critical Control Point with CONTACT Communication Software

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